

## Curriculum vitae



### **Constantinos G. Vassiliades**

Date of birth: 10/04/1987

Place of birth: Limassol

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### **Education:**

#### **A. Higher education:**

- PhD Candidate at the Department of Architecture of the University of Cyprus.
  1. Thesis Title: Building Integration of Photovoltaic and Solar Thermal Systems.
- Graduate of the Department of Architecture of A.U.Th., with grade **8.92** ("**Excellent**"). The studies were completed in five years.
  1. Thesis: "Serres Racing Circuit: Functional upgrade of the track in order to host a Formula 1 race". **Grade: 10 (ten)**
  2. Research thesis: "Bioclimatic Practices in the work of 5 architects: Ken Yeang, Norman Foster, Behnisch Architekten, Renzo Piano, Sauerbruch Hutton". **Grade: 10 (ten)**

#### **B. Secondary education:**

- Lanition Lyceum II, Limassol (Grade 19.83)

### **Skills:**

#### **A. Languages:**

Greek - Excellent (Mother Language)

English - Excellent (IGCSE degree, University of Cambridge, Grade B-2)

#### **B. Computer:**

1. Excellent knowledge of computer design softwares (Autodesk Autocad 2D, Autodesk Revit Architecture 2D-3D-visualization, Graphisoft Archicad 2D-3D- visualization, Sketchup 3D, Rhinoceros 3D)
2. Good knowledge of Microsoft office (Microsoft Word, Microsoft PowerPoint, Microsoft Excel)
3. Good knowledge of Adobe Photoshop
4. Good knowledge of the energy simulation software Autodesk Ecotect Analysis
5. Basic knowledge of the algorithmic modeling software Grasshopper for Rhino

#### **Γ. Other skills:**

1. Knowledge of Byzantine Music (Certificate of 5-year study by the Holy Metropolis of Limassol)

## **Awards - Scholarships:**

- A. Triennial Scholarship by the Cyprus State Scholarship Foundation for the preparation of a doctoral dissertation, 4000 euros per year (2013-2016).
- B. Performance Award for the distinguished graduate of the Department of Architecture of the Polytechnic School of A.U.Th. for the academic year 2011 - 2012 by the Greece State Scholarship Foundation.
- C. Scholarship by the Cyprus State Scholarship Foundation without financial criteria, due to the high grade of high school diploma, 3600 euros per year (2007-2012).
- D. Admission to the School of Architecture of A.U.Th. (First among the Cypriot candidates).

## **Experience:**

### **A. Professional:**

1. Full professional activity from August of 2012, and for four months per year throughout the time of my graduate studies at the architectural office "Vassiliades Architects" in Limassol.
2. Partial professional activity at the Department of Architecture of the University of Cyprus as a Special Scientist for the coordination and the needs of the research proposal "PRE-FAB ECO SMART HOUSE" from October of 2017 to March of 2020.
3. Partial professional activity at the Department of Architecture of the University of Cyprus as a Special Scientist for the needs of the research proposal "Taming the BIST ... aka looking at the Integration of Building Integrated Solar Thermal Systems and Photovoltaics in contemporary structures" from March of 2014 to February of 2015.
4. Partial professional activity to the Music Hall "Vardia" in Thessaloniki during the years 2007 to 2011.

### **B. Academic Teaching:**

1. Instructor of the course "ARH123 - Σχεδιάσεις" of the Department of Civil Engineering of the University of Cyprus for the spring semester of the academic year 2015-2016 and 2016-2017.
2. Instructor of the course "MMY 553 - Ενεργειακή Απόδοση Κτιρίων" of the Department of Mechanical Engineering and Materials Science and Engineering of the Cyprus University of Technology for the spring semester of the academic year 2016-2017.
3. Presentation on «BISS\_Building Integrated Solar Systems» and simultaneous participation as an instructor and as a member of the judging committee of the course "ARH549\_Εξειδικευμένα Θέματα Πολεοδομίας - Εδαφικοί Μετασχηματισμοί - Αστικός σχεδιασμός και αιφόρος ανάπτυξη" which took place in the Department of Architecture of the University of Cyprus, on November and December of 2016.
4. Participation as an instructor to the third TU1205 Training school, which lasted three days and was organized by the European Cost Action "Building Integrated of Solar Thermal Systems - TU1205 - BISTS" and was held in Warsaw, Poland from the 5<sup>th</sup> to the 7<sup>th</sup> of September, 2016.
5. Participation as an instructor to the second TU1205 Training school, which lasted three days and was organized by the European Cost Action "Building Integrated of Solar Thermal Systems - TU1205 - BISTS" and was held in Barcelona, Spain from the

31<sup>st</sup> of March to the 2<sup>nd</sup> of April, 2016.

6. Third member of the supervising committee of Michailina Stylianou's thesis entitled "3S Racetrack Complex: Street\_Speed\_Sport" during the academic year 2015-2016, at the Department of Architecture of the University of Cyprus.
7. Participation in the course "Architectural Design" as an assistant of the professor Andreas Savvides in an informal level, during the winter semester of 2014-2015, at the Department of Architecture of the University of Cyprus.
8. Participation in the judging committees during the presentation - evaluation courses of the exams period of the spring semester of 2015, at the Department of Architecture of the University of Cyprus.

#### **C. Competitions:**

1. Participation in the Architectural Competition for the "Rehabilitation of the Old City of Strovolos", November 2016.
2. Participation to the National Architectural Competition for the "Restoration and Rehabilitation of the former Lignite Mining Areas in Western Macedonia", January 2016.
3. Participation to the National Architectural Competition for the "St. Paul's 1st Primary School with Sports Hall of the Municipality of Neapolis - Sykeon, Thessaloniki", March 2014.
4. Participation to the Architectural / Artistic Competition for the Configuration of a Monumental Site at the "Evangelos Florakis" Naval Base in Mari, October 2013.
5. Participation to the Architectural Competition "Creation and Retrieval of Communal and Utility Spaces in the urban area of the municipality of Kilkis", August 2013
6. Participation to the Architectural Competition for the Rehabilitation of Eleftherias Square in Thessaloniki, April 2013.
7. Participation to the Architectural Competition "Creation and Retrieval of Communal and Utility Spaces in the urban area of the municipality of Thessaloniki", January 2013.
8. Participation to the Competition of Graduate and Post-Graduate thesis of the Greek Schools of Architecture and Greek students from foreign universities, GREAT - Greek Architectural Talent 2013 ([www.great2013.com](http://www.great2013.com)).
9. Participation to the International Student's Design Competition for the "Nausicaa Pavillion", organized by the Cultural association "Il Tamarindo", Italy, June-July 2011.
10. Participation to the Panhellenic "Medium Family Car Design Competition", by the magazine "4 Trohoi", November 2003.

#### **D. Seminars - Workshops:**

1. Participation to the SEEP2017 - International Conference on Sustainable Energy and Environmental Protection, which was held in Bled from the 27<sup>th</sup> to the 30<sup>th</sup> of June, 2017.
2. Participation to the BIREs 2017 - First International Conference on Building Integrated Renewable Energy Systems, which was held in Dublin from the 6<sup>th</sup> to the 9<sup>th</sup> of March, 2017.
3. Participation to the SouthZEB series of seminars for professionals of the field of the construction of nearly zero energy consumption buildings (nZEB), where ten (10) modules and their related evaluations were made. Success in all the modules and Gold Certification of "nZEB Designer". The seminars took place in C.U.T., in the first half of 2016.
4. Participation to the BioCultural - International Conference on Sustainability in

Architectural Cultural Heritage, which was held in Limassol on the 11<sup>th</sup> and 12<sup>th</sup> of December, 2015.

5. Participation to the Euro ELECS 2015 - Latin American and European Conference on Sustainable Buildings and Communities, which was held in Guimaraes from the 21<sup>st</sup> to the 23<sup>rd</sup> of July, 2015.
6. Participation to the World Sustainable Building 2014 Conference organized by the Green Building Council España (GBCe), from the 28<sup>th</sup> to the 30<sup>th</sup> of October 2014 in Barcelona, Spain, with the topic: "Sustainable Building: Results ... Are We Moving as Quickly as we Should? It's up to us!" .
7. Participation to the first TU1205 Training school which was lasted 3 days, organized by the European Cost Action "Building Integrated of Solar Thermal Systems - TU1205 - BISTS" and held in Freiburg, Germany from the 1<sup>st</sup> to the 3<sup>rd</sup> of September 2014.
8. Participation to the SmartPV project workshop, entitled "Competitive prices of PV systems: Intelligent Compensation for promoting PV technology and dynamic tariffs development importance to support demand management in an attempt to optimize the penetration of PV", lasted four hours, and held in the lecture hall of Anastasios G. Leventis building in the University of Cyprus, Nicosia on June 11<sup>th</sup>, 2014.
9. Participation to the international seminar entitled: "Lemesos: A renewed coastal metropolis! Architecture and Identity" which lasted five hours and was organized by the Municipality of Limassol in Limassol on the 18<sup>th</sup> of November 2013. Main speakers were the famous architects Daniel Libeskind and Dr Marcus Jatsch.
10. Participation to the approved by An.A.D. seminar, organized by the Institute of Applied Management, entitled "Professional Customer Service - The key to Success", lasted 10 hours and held in Limassol on the 29<sup>th</sup> and 30<sup>th</sup> of October 2013.
11. Participation to the approved by An.A.D. seminar, organized by the Institute of Applied Management, entitled "Development of Management Skills", lasted 10 hours and held in Limassol on the 18<sup>th</sup> and 25<sup>th</sup> of May 2013.
12. Participation in the workshop entitled "Design with Energy Consciousness", which was organized by the Neapolis University Paphos, the Union of Cypriot Physics and the Department of Environment of the Ministry of Agriculture, Rural Development and Environment, held in Paphos on the 9<sup>th</sup> of March 2013.
13. Participation to the conference organized by E.T.E.K., entitled "Metallic structures, High Buildings and New Structural Systems", held in Limassol, on the 10<sup>th</sup> of November 2012.
14. Participation to the "International Meeting of 'Green' Design and Intervention - ECOWEEK", which lasted one week, and was held in Thessaloniki from the 2<sup>nd</sup> to the 8<sup>th</sup> of April, 2012.
15. Participation to the educational workshop of TUV Austria Hellas on "Installation, inspection and certification of photovoltaic systems", which lasted eight hours and was held in Thessaloniki on the 15<sup>th</sup> of October 2011.

#### **E. Military:**

1. 25-month service in the Cyprus National Guard, from which I was released with the honorary rank of lance corporal.

#### **Subscriptions:**

- A. Member of the Cyprus Scientific and Technical Chamber (E.T.E.K.) in the field of Architecture and Landscape Architecture, with registration number A160582.
- B. Qualified Expert for the Energy Performance of Residential Buildings of the Energy

Service of the Ministry of Energy, Commerce, Industry and Tourism Energy Agency, with registration number AXXX100391.

- C. Working Group Participant of COST Action "TU1205 Building Integrated Solar Thermal Systems".

## **Publications - Presentations:**

### **A. Books**

1. Contributor in the book of the COST Action TU1205 (BISTS) entitled "Building Integrated Solar Thermal Systems - Design and Applications Handbook", ISBN: 978-9963-697-22-9, March 2017, [p. 455].
2. Contributor in the publication of the first book of the COST Action TU1205 (BISTS) entitled "Building Integration of Solar Thermal Systems - OVERVIEW OF BISTS STATE OF THE ART, MODELS AND APPLICATIONS", ISBN: 978-9963-697-16-8, March 2015, [p. 246].

### **B. Conference Proceedings**

1. Savvides, A., Vassiliades, C. (2017, June). "Designing urban building blocks around solar planning principles", Sustainable Development and Planning 2017, Proceedings of Sustainable Development and Planning 2017, Bristol, UK, 2017.
2. Vassiliades, C., Michael, A., Savvides, A., Kalogirou, S. (2017, June). "Environmental assessment of the integration of active solar energy systems on building envelopes in southern Europe", SEEP 2017, Proceedings of SEEP2017, Bled, Slovenia 2017.
3. Savvides, A., Vassiliades, C., Michael, A., Kalogirou, S. (2017, March). "Geometrical Optimization of the Urban Fabric in order to ensure the Viability of Building Integration of Active Solar Systems", BIRES 2017, Conference Proceedings, Dublin, Ireland 2017.
4. Kontovourkis, O., Michael, A., Alexandrou, K., Vassiliades, C. (2015). "Lighting performance simulation and adaptive control of an advanced building skin based on human behavior inputs", 10th Conference on Advanced Building Skins, Conference Proceedings, Munich: Economic Forum, pp. 1340-1349.
5. Kontovourkis, O., Alexandrou, K., Vassiliades, C., Frangogiannopoulos, S., Demetriou, N., Petrou, Ch. (2015). "Adaptive building skin development and wireless gesture-oriented control", Presentation at the 3rd ECAADE Regional International Workshop, Milan, Italy 2015.
6. Vassiliades, C., Savvides, A., Michael, A. (2015, July). "Investigation of Sun Protection Issues of Building Envelopes via Active Energy Production Systems", Euro-ELECS 2015, Conference Proceedings, Vol.1: 697-706, Guimaraes, Portugal 2015.
7. Vassiliades, C., Savvides, A., Michael, A. (2014, May). "Architectural Implications in the Building Integration of Photovoltaic and Solar Thermal systems - Introduction of a taxonomy and evaluation methodology", World Sustainable Building 2014, Conference Proceedings, Barcelona, Spain 2014.

### **C. Professional Publications**

1. Publication of text entitled "Building and Energy Systems - Building Integration of Photovoltaic and Solar Thermal Systems" in the online edition of the newspapers "Phileleftheros" (<http://www.philenews.com/>), "Showbiz Cyprus" (<http://showbiz.com.cy/>), "B2green" ([www.b2green.gr](http://www.b2green.gr)) and "www.kataskevesktirion.gr/", on the 5<sup>th</sup> of April 2016.
2. Publication of the work of the office "Vassiliades Architects" entitled "House in Limassol | Energy and functional upgrade of an existing house in Limassol", in the

Greek Architectural Magazine "KTIRIO" in the issue of November - December 2016 as well as in the architectural e-magazine "akx.gr", in the subsection "Projects", September 2015.

3. Publication of the work of the office "Vassiliades Architects" entitled "Double house in Limassol", in the Greek Architectural Magazine "KTIRIO" in the issue of January 2018 as well as in the architectural e-magazine "akx.gr", in the subsection "Projects", June 2016.
4. Publication of the work of the office "Vassiliades Architects" entitled "Apartment building in Limassol | Volumes and Planes in dialogue", in the architectural e-magazine "greekarchitects.gr", in the subsection "Projects", as well as in the Greek Architectural Magazine "KTIRIO" in the issue of May 2014.

#### **D. Undergraduate Works**

1. Publication of my research thesis in the Library of A.U.Th..
2. Publication of my thesis in the architectural magazine "greekarchitects.gr" as part of the magazine contest for the "Promotion and Annual Award of Theses".
3. Publication of my undergraduate work entitled "Zipper Project" in the architectural e-magazine "greekarchitects.gr", in the subdivision "Graduate work", as well as in the electronic architectural e-magazine "www.cy-arch.com/", in the subsection "Academic / Design and Synthesis".

#### **Additional Information:**

- I gave an interview to a journalist of the newspaper "Politis" and it was published in the Sunday edition of it, on 16/11/2014, on page 59, entitled "Money does not define good architecture".
- Participation in the basketball teams "Panathinaikos Limassol", "Apollon Limassol" and "Asteras Limassol", in the years 1998-2003.
- Followed painting lessons during the years 1997-2000.